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Atty. Docket No.: 9236/2002

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Kay, P  
U.S. Serial No.: 09/920,000

Filed (U.S.): July 31, 2001

Entitled: USE OF FLUORESCENT MOLECULAR  
BEACONS IN THE DETECTION OF  
METHYLATED NUCLEIC ACIDS

Examiner

Group: 1645

Conf. No.: 7078

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Box: Missing Parts, Commissioner for Patents, Washington, D.C. 20231.

Nancy Arsenault

Name of Person Mailing Paper

Signature of Person Mailing Paper

Box: Missing Parts  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**AMENDMENT**

Sir:

This paper is submitted in response to the Notice to File Missing Parts mailed by the USPTO on August 28, 2001.

**AMENDMENT****In the Specification:**

1. On page 14, please replace the first paragraph, extending from line 1 to line 11 with the following paragraph:

--against at least target sequence in the Myf-3 gene. Preferable target sequences of the Myf-3 gene are as follows:

5' GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC 3' (SEQ ID NO:

1)

5' TTA TAC CGC AGG CGG GCG AGC CGC GGG CGC TCG CT 3' (SEQ ID  
NO: 2)

5' CCG AGA GCC CTG CGG GGC CCG CCC TCC TGC TGG CG 3' (SEQ ID  
NO: 3)

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